

## Department of Energy

Office of Civilian Radioactive Waste Management Yucca Mountain Site Characterization Office P.O. Box 98608 Las Vegas, NV 89193-8608 SEP 1 6 1996

R. W. Craig
Technical Project Officer
For Yucca Mountain
Site Characterization Project
U.S. Geological Survey
1261 Town Center Drive
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Las Vegas, NV 89134

## ISSUANCE OF DEFICIENCY REPORT (DR) YM-96-D-094 AND PERFORMANCE REPORT (PR) YM-96-P-032 RESULTING FROM OFFICE OF QUALITY ASSURANCE (OQA) SUPPLIER AUDIT OQA-SA-96-028 OF BALL CORPORATION

Enclosed is DR YM-96-D-094 and PR YM-96-P-032 generated as a result of OQA Supplier Audit OQA-SA-96-028.

Please identify the corrective actions to be taken and implemented to correct the deficiencies. Send the originals of your responses to Deborah Sult, YMQAD/QATSS, P.O. Box 98608, Mail Stop 455, Las Vegas, Nevada 89193-8608. Responses to the DR and PR are due 20 working days from the date of this letter. Extensions to due dates must be requested in writing, with appropriate justification, prior to the due dates.

Recip: NMSS/HLUR

If you have any questions, please contact either Robert B. Constable at (702) 794-5580 or Daniel A. Klimas at (702) 794-1495.

Richard E. Spence, Director Yucca Mountain Quality Assurance Division

YMQAD:RBC-2631

Enclosures: 1. DR YM-96-D-094 2. PR YM-96-P-032

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R. W. Craig

SEP 1 6 1996

cc w/encls:

J. G. Spraul, NRC, Washington, DC
 S. W. Zimmerman, NWPO, Carson City, NV
 T. H. Chaney, USGS, Denver, CO
 Records Processing Center

cc w/o encls:

W. L. Belke, NRC, Las Vegas, NV

D. A. Klimas, YMQAD/QATSS, Las Vegas, NV

D. G. Sult, YMQAD/QATSS, Las Vegas, NV

D. G. Horton, DOE/OQA, Las Vegas, NV

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3	RADIOACTIVE WAS U.S. DEPARTMI	F CIVILIAN STE MANAGEMENT ENT OF ENERGY STON, D.C.	HIS IS A REPORT ARPORT BDeficiency Report NO. YM-96-D-094 PAGE _1_ OF_2_ QA: L			
	PERFORMANCE/DI	EFICIENCY REPORT				
1 Controlling Docur	nent:	2 Related Report No.				
(QARD) DOE	ance Requirements and Description /RW-0333P, Revision 5	OQA-SA-96-028				
3 Responsible Orga U. S. Geologia	anization: cal Survey/Ball Corporation	4 Discussed With: Tom Chaney/Joe Belohlavek				
	asurement Criteria: QARD Section 7.0, Pa Evaluation and Selection	ragraph 7.2.2				
A.						
В.	B. The organizational responsibilities for source evaluation and selection shall be identified and shall include the Quality Assurance (QA) organization.					
· C.	Measures for evaluating and selecting procurement sources shall include one or more of the following elements:					
	1. Evaluation of the supplier's history for providing an identical or similar product which performs satisfactorily in actual use.					
	2. Evaluation of the supplier's current QA records supported by any documented qualitative and quantitative information.					
	3. Evaluation of the supplier's teo facilities, personnel, and QA p	hnical and quality capability based rogram implementation.	on an evaluation of supplier			
D.	The results of procurement source eva	luation and selection shall be docu	imented.			
	ndition: e above requirements, Waveteck, who ca Ball Corporation Qualified Suppliers List a					
7 Intiator	Phennes	9 is condition an isolated occurrence?	······································			
Daniel A. Kim	as Date 09/03/96	🗆 Yes 🔤 No 🗆 Unkn	own; Must be Yes if PR			
	Action: (Not required for PR)	y Waveteck.				
		12 Response Due Date	·			
QAR /	anial A. Klimas MMUTYMMAS Date 9/3/96	20 working days from issuance	·			
13 Affected Organization QA manager Issuance Approval: (QAR/for PR) Printed Name Pichan J. F. Sence Signature R. C. Juffmer Date 9/13/96						
22 Corrective Action	n Verified Date	23 Closure Approved By: /(N/A for PR) AOQAM				
Exhibit AP-16.1Q.1		Enclosu	Date ure 1 Rev. 07/15/96			

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OFF_E OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT U.S. DEPARTMENT OF ENERGY WASHINGTON, D.C.	-094 QA: L
PERFORMANCE/DEFICIENCY REPORT RESPONSE	
14 Remedial Actions:	
15 Extent of Condition: (Not required for PR)	
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16 Root Cause Determination: (Not required for PR) Required II Yes No	
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· · · · · · · · · · · · · · · · · · ·	<u> </u>
17 Action to Preclude Recurrence: (Not required for PR) Required Secure No	
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18 Corrective Action Completion Due Date: 19 Response by:	
Amended Date Phone	

	16.1Q.2	

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OFFICE OF CIVILIAN			
RADIOACTIVE WASTE MANAGEMEN			
U.S. DEPARTMENT OF ENERGY			
WASHINGTON, D.C.			

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THEFENDING REPORT Deficiency Report NO. YM-96-P-032

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PERFORMANCE/DE	EFICIENCY REPORT		
1 Controlling Document:	2 Related Report No.	· · · · · · · · · · · · · · · · · · ·	
Quality Assurance Requirements and Description DOE/RW-0333P, Revision 5	OQA-SA-96-028		
3 Responsible Organization:	4 Discussed With:		
U.S. Geological Survey (USGS)/Ball Corporation	Tom Chaney/Joe Belohlavek		
5 Requirement/Measurement Criteria:			
USGS Purchase Order #1434-CR-96-00358, Section III specified below shall be included on or with a Certificate reference standard(s) used in the calibration is greater to accuracy of the equipment being calibrated."	e of Calibration (d) A statement that acc	curacy of the principal	
	- · ·		
		• •	
Contrary to the above stated requirement, the calibratio this statement.	n certificate for USGS Kiethly voltage sour	ce 220 did not contain	
· · ·	•		
$\frown$			
7 Inițiator	9 is condition an isolated occurrence?		
Tanue Trimas 9/3/96	k i i i i i i i i i i i i i i i i i i i		
Daniel A. Klimas Date	🖻 Yes 🗆 No 🗆 Unknown; M	ust be Yes if PR	
10 Recommended Action: (Not required for PR)			
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QAR Dane VIII Date 9396	12 Response Due Date 20 Working Days From Issuance		
13 Affected Organization QA Imanager Issuance Approval: (QAR for PR)	$\Lambda \cdot \Lambda I I $	dela	
QAR Danero. Klimas Date 9/3/16 20 Working Days From Issuance			

QAR

22 Corrective Action Verified

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Enclosure 2

Date

Rev. 07/15/96

23 Closure Approved by: (N/A for PR)

AOQAM

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Date

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RADIOACTI U.S. DEP	TICE OF CIVILIAN VE WASTE MANAG ARTMENT OF ENE ASHINGTON, D.C.			<sup>8</sup> PR/DR NO. <u>YM-96</u> PAGE <u>2</u> 0	
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PER	RFORMANCE/DEFI	ICIENCY REP	ORT RESPONSE		
14 Remedial Actions	<u> </u>				
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15 Extent of Condition: (Not required for PR)					
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16 Root Cause Determination: (Not required for PR)	Required	d 🛛 Yes			
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17 Action to Preclude Recurrence: (Not required for PR)	Require				
		- TeS	- NU		
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18 Corrective Action Completion Due Date:	*	19 Response by:			
		Initial			
			Date	Phone	
20 Response Accepted QAR	Date	21 Response Accept AOQAM	ed (N/A for PR):	Date	
xhibit AP-16.1Q.2	•	I			Rev. 07/15/96